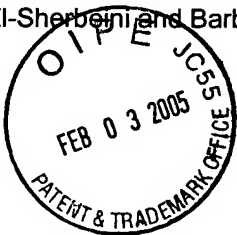


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mohamed El-Sherbini and Barbara Azzolina

Serial No. 10/070,778

Filed: March 7, 2002

For: MURF GENE AND ENZYME OF PSEUDOMONAS  
AERUGINOSAArt Unit: 1652Examiner: Kerr, Kathleen M.Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97

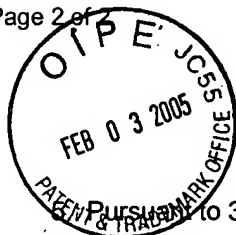
Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).
2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.
3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.
4. Pursuant to 37 C.F.R. 1.98 (a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK &amp; CO., INC.

By Alexa Roche Date 2-1-05



## INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

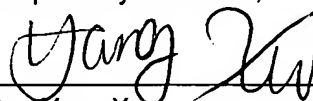
RELATED APPLICATION		
U. S. SERIAL NUMBER	FILING DATE	MERCK CASE

If this is inconvenient, additional copies will be submitted upon request.

6. In accordance with 37 C.F.R. 1.97, (check one)

- ☒ the attached information is filed within three months of the filing date of the captioned case. RCE
- ☐ the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.
- ☐ the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action or Notice of Allowance. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).
- ☐ the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



By: Yang Xu

Attorney \_\_\_\_\_ For Applicant(s)

Reg. No. 45,243

MERCK & CO., INC.

Patent Dept., RY60-30

P.O. Box 2000

Rahway, N.J. 07065-0907

(732)594-1307

Date: 1/31/05

## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

**COMPLETE IF KNOWN**

<b>Application Number</b>	10/070,778
<b>Filing Date</b>	March 7, 2002
<b>First Named Inventor</b>	Mohamed El-Sherbeini
Group Art Unit	1652
Examiner Name	Kerr, Kathleen M.
Attorney Docket Number	20194P

Sheet	1	of	2
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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]Date  
Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

## COMPLETE IF KNOWN

Application Number 10/070,778  
 Filing Date March 7, 2002  
 First Named Inventor Mohamed El-Sherbeini  
 Group Art Unit 1652  
 Examiner Name Kerr, Kathleen M.  
 Attorney Docket Number 20194P

Sheet 2 of 2

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
	B	Lugtenberg, E. J. J., "Studies on <i>Escherichia coli</i> Enzymes Involved in the Synthesis of Uridine Diphosphate- <i>N</i> -Acetyl-Muramyl-Pentapeptide", Journal of Bacteriology, Vol. 110, No. 1, pp. 26-34 (1972)
	C	Mengin-Lecreux et al., "Cytoplasmic Steps of Peptidoglycan Synthesis in <i>Escherichia coli</i> ", Journal of Bacteriology, Vol. 151, No. 3, pp. 1109-1117 (1982)
	D	Kleinkauf et al., "Nonribosomal biosynthesis of peptide antibiotics", European Journal of Biochemistry, Vol. 192, pp. 1-15 (1990)
	E	Jin, et al., "Structural Studies of <i>Escherichia coli</i> UDP- <i>N</i> -Acetylmuramate:L-Alanine Ligase", Biochemistry, Vol. 35, No. 5, pp. 1423-1431 (1996)
	F	Parquet et al., "Nucleotide sequence of the <i>murF</i> gene encoding the UDP-MurNAc-pentapeptide synthetase of <i>Escherichia coli</i> ", Nucleic Acids Research, Vol. 17, No. 13, p. 5379 (1989)
	G	Stover et al., GenBank, U.S. National Library of Medicine, No. 9950633 (2000)
	H	Stover et al., GenBank, U.S. National Library of Medicine, No. 9950648 (2000)
	I	Sanschagrin et al., "Abstracts of the 97th General Meeting of the American Society for Microbiology", p. 318 (May 1997)
	J	Dewar et al., " <i>Pseudomonas aeruginosa</i> PAO1 Bacterial Artificial Chromosomes: Strategies for Mapping, Screening, and Sequencing 100 kb Loci of the 5.9 Mb Genome", Microbial & Comparative Genomics, Vol. 3, No. 2, pp. 105-117 (1998)
	K	Liao et al., "Cloning and Characterization of the <i>Pseudomonas aeruginosa pbpB</i> Gene Encoding Penicillin-Binding Protein 3", Antimicrobial Agents and Chemotherapy, Vol. 39, No. 8, pp. 1871-1874 (August 1995)
	L	Ikedo et al., "Homology Among MurC, MurD, MurE and MurF Proteins in <i>Escherichia Coli</i> and that Between <i>E. Coli</i> MurG and a Possible MurG protein in <i>Bacillus Subtilis</i> ", J. Gen. Appl. Microbiol., Vol. 36, pp. 179-187 (1990)

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
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